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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/764,417	01/23/2004	Jannis G. Stavrianopoulos	Enz-61(D12)	8192
ENZO BIOCH			EXAM	INER
527 MADISON NEW YORK, N	I AVENUE (9TH FLOC NY 10022	OR)	RILEY,	JEZIA
ŕ			ART UNIT	PAPER NUMBER
			1637	
			MAIL DATE	DELIVERY MODE
			09/10/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Applicat	ion No.	Applicant(s)
	Office Anti- C	10/764,4	417	STAVRIANOPOULOS ET AL
	Office Action Summary	Examine	er	Art Unit
		Jezia Ril	ey	1637
- Exte	IORTENED STATUTORY PERIOD CHEVER IS LONGER, FROM THE ensions of time may be available under the provisior of SIX (6) MONTHS from the mailing date of this corn	FOR REPLY IS SET	TO EXPIRE 3 MONTH HIS COMMUNICATIO Event, however, may a reply be t	I(S) OR THIRTY (30) DAYS, DN. imely filed
- If No - Faild Any	O period for reply is specified above, the maximum of the torreply within the set or extended period for repreply received by the Office later than three months led patent term adjustment. See 37 CFR 1.704(b).	statutory period will apply and	will expire SIX (6) MONTHS fror pplication to become ABANDON communication, even if timely file	n the mailing date of this communication. ED (35 U.S.C. § 133). ad, may reduce any
Status				
1)[🛛	Responsive to communication(s) fi	led on 12 April 2007		
	This action is FINAL.	2b)⊠ This action is	non-final	
3)[Since this application is in condition			osecution as to the merits is
	closed in accordance with the pract	tice under <i>Ex parte</i> Q	uayle, 1935 C.D. 11. 4	153 O.G. 213.
Disposit	ion of Claims			
4)🛛	Claim(s) 287-321 is/are pending in	the application.		
	4a) Of the above claim(s) is/a		onsideration.	
5)	Claim(s) is/are allowed.			•
	Claim(s) 287-321 is/are rejected.		·	
	Claim(s) is/are objected to.			
8)[_	Claim(s) are subject to restri	ction and/or election	requirement.	
Applicati	ion Papers			
9)🖂	The specification is objected to by the	ne Examiner.	•	
	The drawing(s) filed on 19 April 200		ed or b) objected to	by the Examiner.
	Applicant may not request that any object	ection to the drawing(s)	be held in abeyance. Se	e 37 CFR 1.85(a).
	Replacement drawing sheet(s) including	g the correction is requi	red if the drawing(s) is ob	pjected to. See 37 CFR 1.121(d)
11)	The oath or declaration is objected t	o by the Examiner. N	ote the attached Office	Action or form PTO-152.
Priority u	ınder 35 U.S.C. § 119			
12) 🗌	Acknowledgment is made of a claim	for foreign priority un	der 35 U.S.C. § 119(a	n)-(d) or (f).
a)[All b) Some * c) None of:			
	1. Certified copies of the priority	documents have been	en received.	
	2. Copies of the certified copies	of the priority does	en received in Applicat	ion No
	 Copies of the certified copies application from the Internation 	or the priority docum	ents nave been receive	ed in this National Stage
* S	ee the attached detailed Office action			- d
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Attachment	r(s)			
	e of References Cited (PTO-892)		4) Interview Summary	· /DTO 412)
ې 📃 Notice	e of Draftsperson's Patent Drawing Review (F	PTO-948)	Paper No(s)/Mail Da	ate
	nation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date 3/10/04		5) Notice of Informal F	
6. Patent and Tra			6) Other:	
TOL-326 (Re	ev. 08-06)	Office Action Summa	ry Pa	art of Paper No./Mail Date 20070902

DETAILED ACTION

Applicant's election with traverse of Group I in the reply filed on 4/12/07 is acknowledged. The traversal is on the ground(s) that the dye and labeled target were not restricted in parent application 10/096075. This is found persuasive and all claims have been examined.

Specification

The disclosure is objected to because of the following informalities: In page 1, the paragraph related to cross references is missing the serial numbers.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 287-321 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 287, for example, is vague and indefinite because of the recitation of the "capable of". It is unclear whether the claimed reactive group R actually does provide a conjugated system or an electron delocalized system, because having the capability is not the same thing as actually performing the function. A positive recitation is required.

Claim 303, for example, is vague and indefinite because of the recitation of the "capable of forming a carbon-carbon linkage". It is unclear whether the claimed reactive group R actually does form the carbon-carbon linkage with the target, because having the capability is not the same thing as actually performing the function. A positive recitation is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 287-291, 294-311, 314-321 are rejected under 35 U.S.C. 102(e) as being anticipated by Ju et al. US 6,664,079.

Ju et al. discloses a dye composition comprising a fluorescent dye linked to a moiety comprising an aromatic group which comprises a nitro substituent and an unsaturated group. Said composition is covalently attached to a target via a carbon-carbon linkage. Said target can be a nucleotide analog. The unsaturated group can be an alkyne group. The dye can comprise a charged or polar group, which inherently increases solubility. (See Figure 7).

Art Unit: 1637

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jezia Riley whose telephone number is 571-272-0786. The examiner can normally be reached on 9:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Benzion can be reached on 571-272-0782. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

9/3/07

Jezia Riley Primary Examiner

Notice of References Cited Application/Control No. 10/764,417 Examiner Jezia Riley Applicant(s)/Patent Under Reexamination STAVRIANOPOULOS ET AL. Art Unit 1637 Page 1 of 1 U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	Α	US-6,664,079	12-2003	Ju et al.	435/91.1
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FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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oligonucleotides covalently linked to iron-porphyrins," Biochemistry 25:6736-6739 (1986) [Figlinton, G., et al., "A coupling of acetylenic compounds." Adv. Organic Synthesis 4:225-															
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